

SECTION 6

ESTIMATION

6.1 The estimating tools embedded in SPECS are used for two purposes. First, they are available to management to plan resource requirements based upon workload identified in the BCI section of SPECS. The estimating section also provides the software professional with estimated surveillance hours to be allocated for different tasks within different phases. The planning screens and the surveillance plan addendum use the results of this estimating section.

6.2 Estimating can be selected from the SPECS top line menu titled "Estimating". There are three selections available (other than select and help) to display predicted surveillance hours for the current contract, facility, or Contract Administration Office (CAO). These hours capture all changes made in the planning screens (Section 4).

6.3 Contract Estimation: The contract estimation screen (below) provides a detailed listing of expected surveillance hours for the selected contract. The first table shows the total surveillance by phase for process, activity, and product. In addition, it shows the nominal REVIC predicted schedule (this can be changed to the contract schedule by clicking on the "Use Contract for Estimation" on the BCI screen). Each of these major categories can be further broken down into a second table (as is the process table shown below) for processes, products, and activities. This detailed breakdown by activity or product can be viewed by clicking on those column titles in the top table. Clicking on the schedule column will display an estimated surveillance hours for the life of the contract broken by month by year. For a printed report, select output. This will create a text file that can be imported into Notepad or Word for further editing or printing. The output report will be residing in SPECS home Directory "SPECS20". Please see Section 7: Other Outputs for a list of SPECS reports.

PHASE EVALUATION							SCHEDULE	
SW Requirements	13	10	31	54	3			
Prelim. Design	13	10	24	47	7			
Detailed Design	11	14	24	50	5			
Code, Unit Test	14	12	5	30	3			
SW Acceptance	7	11	4	22	4			
System Accept.	0	0	0	0	1			
Phase Totals	57	57	88	203	22			

PROCESS EVALUATION	SRA	PD	DD	C&UT	SW ACC	SYS ACC	TOTAL
Planning	3	0	0	0	0	0	3
Risk Management	1	1	1	1	1	0	3
Requirements Mgmt.	7	3	1	1	1	0	14
Design & Code	0	5	5	6	0	0	16
Test Readiness	0	1	1	2	2	0	7
CM	1	1	1	1	1	0	3
CA	1	1	1	1	1	0	3
QA	1	1	1	1	1	0	7
Subcontract Mgmt.	0	0	0	0	0	0	1
Phase Totals	13	13	11	14	7	0	57

6.4 Facility Estimation: The facility estimation selection provides estimated effort, by quarter, of those tasks not specifically associated with a contract, but associated with specific facility for the current calendar year. The estimate can be adjusted in the non-developmental planning screen. The second table shown below is generated when you click on any of the column headers. The hours in this lower table represent both the contract surveillance hours and the non-developmental hours for the currently selected facility.

Estimation for Current CAO and Associated Facilities

Estimation Data for Selected CAO and Associated Facilities

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Facility: CDS

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OUTPUT

Non-Developmental	1st	2nd	3rd	4th	TOTAL
Proposal Review/Eval	310	310	310	297	1227
Pre Award	89	89	89	85	352
SCE/Source Select	44	44	44	42	174
SW Staff Assist	89	89	89	85	352
Corporate Process	443	443	443	424	1753
Travel	0	0	0	0	0
Quarterly Totals	975	975	975	933	3858

SCHEDULE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1993	0	0	0	0	0	780	780	780	780	780	780	780
1994	780	780	780	436	436	436	436	436	436	436	436	436
1995	436	436	436	436	609	609	609	609	609	609	535	535
1996	535	535	535	535	535	694	843	843	843	906	832	832
1997	872	872	844	844	844	844	844	844	844	893	893	1156
1998	1156	1156	1169	1098	1098	1098	1098	1098	1152	856	877	760
1999	760	696	696	668	668	668	668	668	568	568	527	0

6.5 CAO Estimation: The CAO estimation function sums all of the facility level non-developmental information and displays the results in a table broken down by quarter. By clicking on any of the column headers, the second table will be displayed with all of the software surveillance hours, both contract specific and non-developmental for the facility, by month for the life of all contracts in the CAO. The hours represent the calculated results as modified by the planning screens

Estimation for Current CAO

CAO: GS

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Non-Developmental	1st	2nd	3rd	4th	TOTAL
Proposal Review/Eval	3211	3197	3122	3015	12545
Pre Award	917	913	892	861	3583
SCE/Source Select	459	457	446	431	1793
SW Staff Assist	917	913	892	861	3583
Corporate Process	4587	4567	4460	4307	17921
Travel	0	0	0	0	0
Quarterly Totals	10091	10047	9812	9475	39425

CLOSE

OUTPUT

SCHEDULE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1993	0	0	383	383	383	1163	1163	1385	1385	1385	1385	1203
1994	1445	1445	1334	990	990	1395	1395	1282	1282	1282	1282	1590
1995	1590	1590	1848	1848	2021	2021	2598	2598	2403	2811	2737	2737
1996	2613	2648	2507	2571	2650	2794	2943	2943	2951	3014	3009	3274
1997	4997	5114	5777	5689	5730	7879	7897	11709	11465	11535	11610	11890
1998	11907	11594	11618	11614	11246	11242	11089	10195	9917	9470	9582	9546
1999	9546	9426	7831	7803	7648	7648	6888	6630	6368	6446	6405	5878
2000	5878	5878	5975	5939	5939	5939	5781	5575	5575	5575	5817	5817
2001	5817	5817	5769	5769	5769	5905	5754	5754	5754	5754	5754	5754
2002	5754	5514	5629	5629	5629	5411	5411	5411	5773	5773	5773	5773
2003	5773	5773	5773	6458	6458	6515	6515	6515	6515	6253	6253	6253